

REMARKS/ARGUMENTS

Reconsideration and allowance of the application are respectfully requested. Currently, claims 1, 4 and 8-26 are pending.

Rejection Under 35 U.S.C. §103

Claims 1-7 were rejected under 35 U.S.C. §103 as allegedly being unpatentable over Kagan et al. (U.S. '045, hereinafter "Kagan") in view of Yasunari (JP 2001-168873).¹ Applicant respectfully traverses this rejection with respect to still pending claims 1 and 4 as amended.

In order to establish a *prima facie* case of obviousness, all the claim limitations must be taught or suggested by the prior art. The combination of Kagan and Yasunari fails to teach or suggest all of the claims limitations. For example, the combination fails to teach or suggest a child device having "a restoring programmed logic circuitry for attempting said parent device packet sent from said parent device when said communication disconnection detector detects that the communication between said parent device is disconnected, and starting communication when the identifying information of said child device is set in said received connection permitting data of said parent device packet," as required by independent claim 1. Similar, but not necessarily identical, comments apply to new independent claims 10-16. Similarly, new independent claim 24 requires, *inter alia*, "attempting to receive said parent device packet sent from said parent device upon detection that the communication with said parent device is

¹ U.S. Patent No. 6,798,760 is believed to be an English language counterpart to Yasunari (JP 2001-168873). For example, U.S. Patent No. 6,798,760 and JP 2001-168873 both correspond to Application no. JP 11-348058. Yasunari was considered during the JPO examination of a JP counterpart application (JP Appln. No. 2002-306867) of the present U.S. application. The JP counterpart application was allowed and issued as JP Patent No. 3,830,442.

disconnected; and starting communication when the identifying information of the child device is set in said received connection permitting data of said parent device packet to thereby restore communication between the parent and child devices.”

Through the above noted claim features, a child device is capable of detecting a disconnection in child/parent device communication, and to restart communication by examining a packet received from the parent device. In particular, the child device determines whether the packet received from the parent device includes the child device’s own identifying information. If so, communication is restarted. The above noted features are supported by, for example, Fig. 33 and pages 41-44 of the present application.

The combination of Kagan and Yasunari fails to teach the above noted claim limitations. For example, while Yasunari discloses how a leaf device can automatically make a connection with a hub device, Yasunari fails to teach or suggest the specific restoring of parent/child communication as claimed. In particular, no leaf apparatus 31-33 of Yasunari teaches or suggests the above noted claim limitations. Step S26 of Yasunari merely discloses the hub device receiving a register request packet RRP from a registered leaf device due to a radio link failure while in a registered state.

Dependent 8 further requires “wherein said communication disconnection detector of said child device detects that the communication with said parent device is disconnected for more than a second predetermined time period, and said first predetermined time period is longer than said second predetermined time period.” Since the first predetermined time period utilized by the parent device for determining disconnection is longer than the second predetermined time period utilized by the child device, it is possible to secure enough time for the child device to restore parent/child communication. The combination of Kagan and Yasunari fails to teach or

suggest this further claim limitation. Similar comments apply to new claims 17-23 and 25.

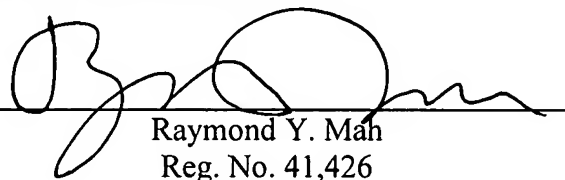
Conclusion:

Applicant believes that this entire application is in condition for allowance and respectfully requests a notice to this effect. If the Examiner has any questions or believes that an interview would further prosecution of this application, the Examiner is invited to telephone the undersigned.

Respectfully submitted,

NIXON & VANDERHYTE P.C.

By:



Raymond Y. Mah
Reg. No. 41,426

RYM:meu
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100